

# EXHIBIT 5

[illegible]

AMERADA HESS CORPORATION

1 HESS PLAZA, WOODBRIDGE, N.J.

## PLAN

**CENTER SECTION OF**

ew

**OTTOSON & OTTOSON**

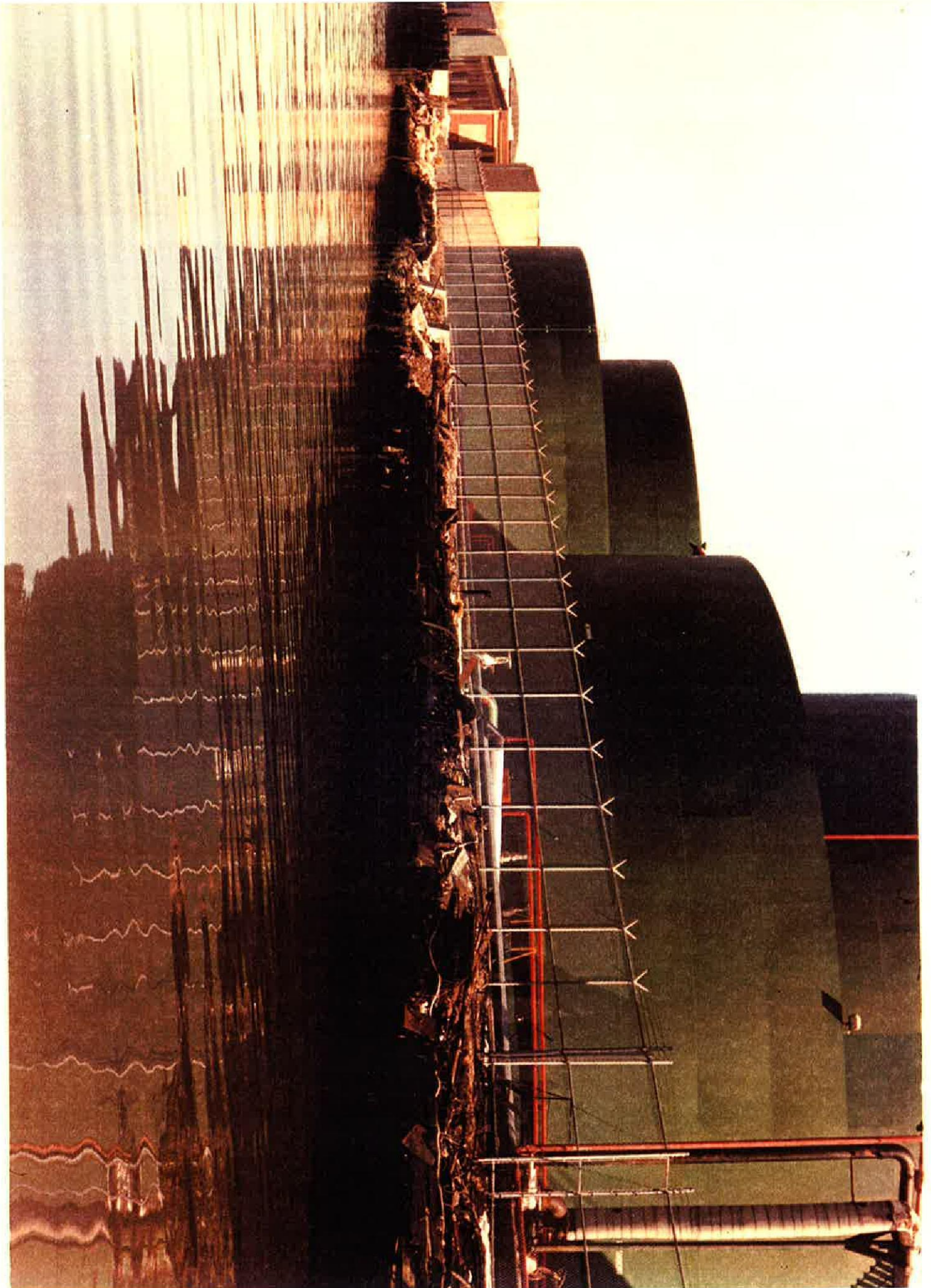
411 North Avenue, East - Cranford N.J. 07016

HESS 1090

REFERENCE DWG'S  
DWG 945-D-5041  
DWG 945-D-5042  
DWG 945-D-5043  
DWG 945-D-5044  
DWG 945-D-5045-B

NOTE  
(1) FOR PIPE SUPPORT (PS- ) SEE DWG 945-D-5041

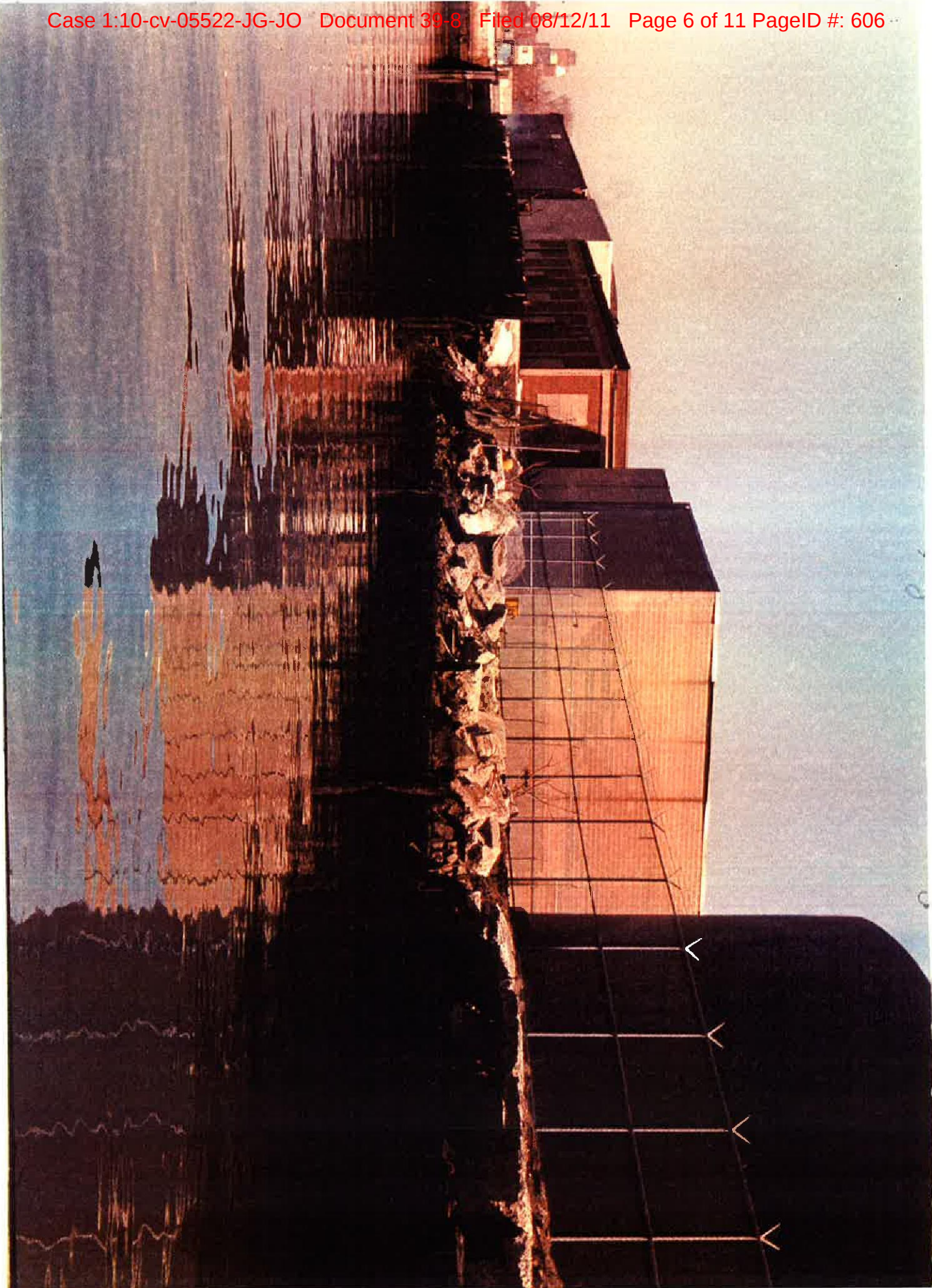
# EXHIBIT 6



AH 000268

# EXHIBIT 7

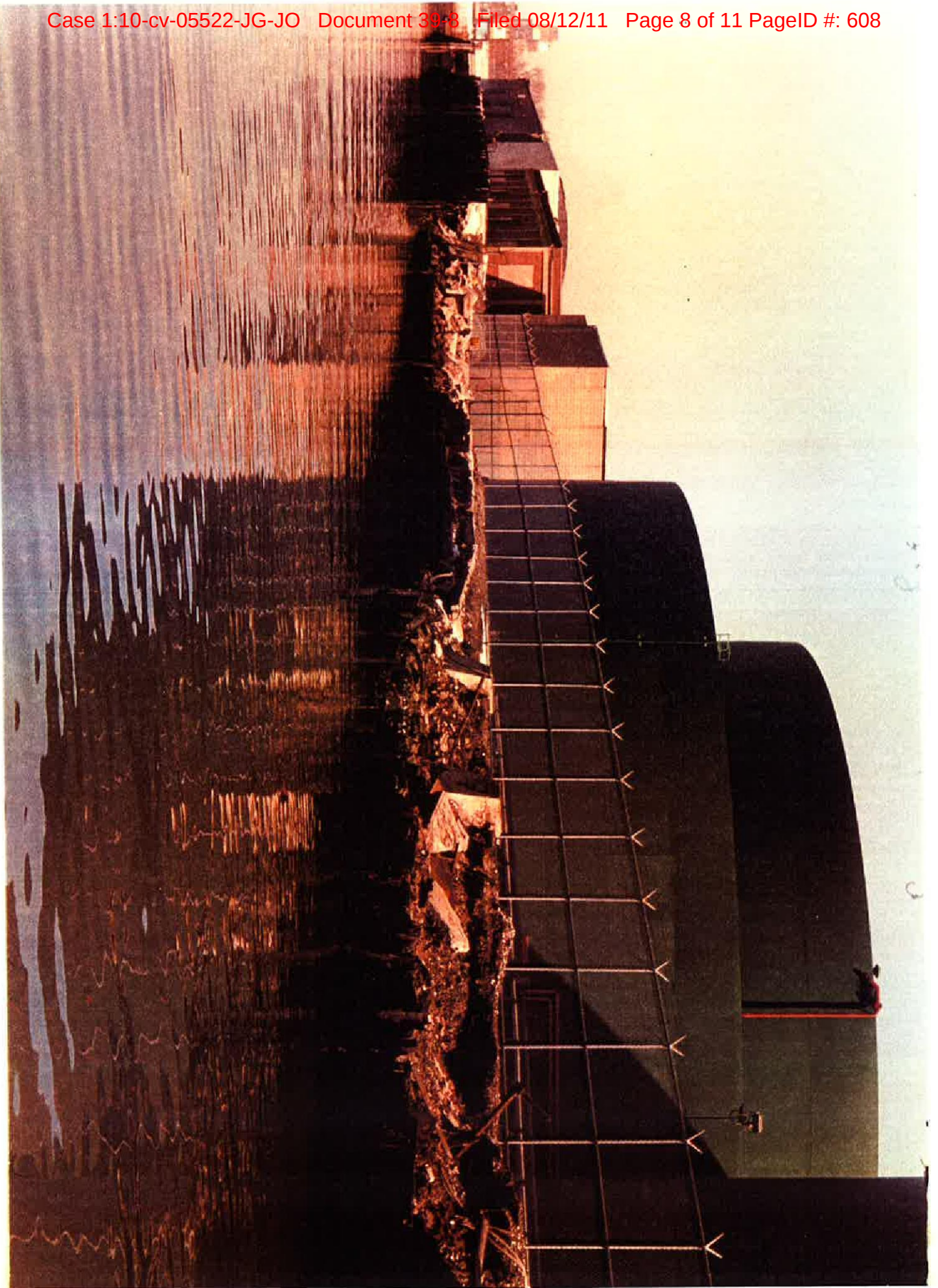




AH 000269

# EXHIBIT 8







# EXHIBIT 9

## OTTOSON &amp; OTTOSON

Engineers

1984 MAY 18 A 11: 53 411 NORTH AVENUE, EAST  
CRANFORD, NEW JERSEY 07016

TERMINAL ENGINEERING  
& CONSTRUCTION

(201) 272-6633

May 15, 1984

Department of the Army  
New York District, Corps of Engineers  
26 Federal Plaza  
New York, New York 10278

Attention: Mr. Monty Grecis  
Permit Section

SUBJECT: File No 84-040-YC. Amerada-Hess Corporation  
Court Street, Bulkhead and Pier Rehabilitation

Gentlemen:

In accordance with our telephone conversation of yesterday, I am sending herewith information relative to the subject matter. As you know, Amerada Hess Corporation received advises from the Permit section in a letter February 3, 1984, that the proposed rehabilitation to the Bulkhead and Piers could be accomplished under the Department Nationwide Permit. The necessary permits from N.Y. State DEC have also been obtained for this work.

Amerada-Hess now wishes to make an alteration to a portion of the work as originally proposed, and to include additional Bulkhead Rehabilitation work. They also wish to have existing timber piers demolished and removed. As a second phase of the project, they propose to install approximately 400 L.F. of new bulkhead, and rehabilitate approximately 300 L.F. of existing bulkhead. I have included here with copies of sketches showing the areas of work to be done, and a section showing the new method proposed in the area of Pier 1. I have also included a copy of the sketches included with our original submission, as you requested.

The alteration to the original proposal, involves the placement of a stone rip rap slope in lieu of the steel Bulkhead. The toe of the slope would not extend beyond the original pierhead. This method would be used on the east and south side of an existing building as shown on the plan. Pier 2 would be rehabilitated as originally proposed.

AH 000182

PLEASE INITIAL

☒ FLC *xc-5/18/84*☐ GSE *xc-5/18/84*☐ CCC *xc-5/18/84*☐ DMD☐ RRF☒ MPG *xc-5/18/84*☐ GBH☐ ECH☐ RKM☐ WRS☐ FDV☐ PSB☐☒ FACILITY☒ PROJECT

RETURN TO

*xc-5/24/84*  
*ny*

Department of the Army  
May 15, 1984  
Page Two

On the west side of the property, adjoining the Henry Street Basin, there exists a bulkhead which is deteriorated and decayed. It is proposed to install a new steel sheet bulkhead immediately out board of the existing bulkhead to prevent further deterioration.

Piers 1, 3, 5 and 7 are timber piers which are no longer used and are in disrepair. The Corps of Engineers in a survey have cited these facilities as being in need of immediate attention to comply with the driftwood cleanup program. Since these facilities are no longer used, it is proposed that they be demolished and removed to permanently solve the problem.

In a second phase, it is proposed to install approximately 400 L.F. of new Steel Bulkhead from the foot of Pier 3 to Pier 7 to straighten out the bulkhead line which is now very irregular, as was required by the dry docks which were moored there. These dry docks are no longer there since the facility no longer is a ship repair yard. The extension of the bulkhead line from Pier 7 would require the rehabilitation of the present facilities.

After the removal of Pier 7, it is proposed to install several steel mono-piles and fenders to protect Pier 8 which will remain in use.

The purpose of the proposed work is to protect existing facilities and to permanently remove existing hazards to employees, and to comply with requirements to protect the environment.

Amerada-Hess is anxious to proceed at the earliest time on the Phase I work. I would appreciate your early advise particularly as regards the Phase I part of the project. Should you require additional information, please let me know. I and Amerada-Hess personnel would be pleased to meet with you or other Corps of Engineers Representatives to expedite this matter.

We thank you for your attention to the matter.

Very truly yours,

Ottoson & Ottoson  
R. Stanley Ottoson, P.E.

dj

AH 000183